

In the claims:

For the Examiner's convenience, all pending claims are presented below with changes shown in accordance with the new mandatory amendment format.

1. (Previously Presented) An adapter comprising:

an infrared transceiver to transmit and receive information to and from an infrared data port;

a radio frequency transceiver to transmit and receive information to and from a radio frequency data system; and

a processor coupled to the infrared transceiver and the radio frequency transceiver to convert information received from the infrared transceiver to a radio frequency format for transfer to the radio frequency data system and to convert information received from the radio frequency transceiver to an infrared format for transfer to the infrared data port.
2. (Previously Presented) The adapter of claim 1, further comprising a buffer to provide temporary storage for information converted by the processor.
3. (Previously Presented) The adapter of claim 1, further comprising a power supply coupled to the processor.
4. (Previously Presented) The adapter of claim 1, wherein the infrared transceiver includes a driver circuit to transmit information to the infrared data port.

5. (Previously Presented) The adapter of claim 1, wherein the infrared transceiver includes a receiving circuit to receive information from the infrared data port.
6. (Original) The adapter of claim 1, further comprising a housing.
7. (Previously Presented) A system, comprising:
a computing device including an infrared data port to transmit and receive information to a radio frequency data system in communication with a network;
and
an adapter to transfer information between the infrared data port and the radio frequency data system, the adapter including:
an infrared transceiver to transmit and receive information to and from the infrared data port;
a radio frequency transceiver to transmit and receive information to and from the radio frequency data system; and
a processor coupled to the infrared transceiver and the radio frequency transceiver to convert information received from the infrared transceiver to a radio frequency format for transfer to the radio frequency data system and to convert information received from the radio frequency transceiver to an infrared format for transfer to the infrared data port.
8. (Original) The system of claim 7, wherein the computing device is a portable computer.

9. (Previously Presented) The system of claim 7, wherein the adapter is physically coupled to the computing device.
10. (Original) The system of claim 7, wherein the adapter is a stand-alone unit that communicates with the computing device over an infrared communication link.
11. (Previously Presented) The system of claim 7, wherein the adapter further comprises a buffer to provide temporary storage for information converted by the processor.
12. (Previously Presented) The system of claim 7, wherein the adapter further comprises a power supply coupled to the microprocessor.
13. (Previously Presented) The system of claim 7, wherein the infrared transceiver includes a driver circuit to transmit information to the infrared data port.
14. (Previously Presented) The system of claim 7, wherein the infrared transceiver includes a receiving circuit to receive information from the infrared data port.
15. (Previously Presented) An adapter comprising:
 - a first infrared transceiver to transmit and receive information to and from a first
 - of a plurality of infrared data ports;
 - a second infrared transceiver to transmit and receive information to and from a
 - second of the plurality of infrared data ports;

a radio frequency transceiver to transmit and receive information to and from a radio frequency data system; and

a processor coupled to the first and second infrared transceivers and the radio frequency transceiver to convert information received from the first and second infrared transceivers to a radio frequency format for transfer to the radio frequency data system and to convert information received from the radio frequency transceiver to an infrared format for transfer to at least one of the plurality of infrared data ports.

16. (Previously Presented) A method for wirelessly connecting a computing device to a network, comprising:
- receiving information over an infrared communication link from a remote computing device;
- converting the information from an infrared format to a radio frequency format at a processor; and
- communicating the information to the network over a radio frequency link.
17. (Previously Presented) A method for wirelessly connecting a computing device to a network, comprising:
- receiving information over a radio frequency communication link from the network;
- converting the information from a radio frequency format to an infrared signal at a processor; and
- communicating the information to the computing device over an infrared communication link.

18. (Original) The method of claim 17, wherein the radio frequency format conforms to Bluetooth protocol.
19. (Original) The method of claim 16, wherein the radio frequency format conforms to Bluetooth protocol.
20. (Original) The adaptor of claim 15, wherein the radio frequency data system comprises Bluetooth.
21. (Original) The adaptor of claim 15, wherein the adapter further comprises a buffer to provide temporary information storage.
22. (Previously Presented) A system comprising:
a portable computing device having an infrared data port;
an IR (infrared) to RF (radio frequency) adapter communicatively coupled to the infrared data port, the adapter having:
an infrared transceiver to transmit and receive information to and from the infrared data port;
a radio frequency transceiver to transmit and receive information to and from the radio frequency data system; and
a processor coupled to the infrared transceiver and the radio frequency transceiver to convert information received from the infrared transceiver to a radio frequency format for transfer to the radio frequency data system and to convert information received from the radio frequency transceiver to an infrared format for transfer to the infrared data port; and

an RF data system communicatively coupled to the IR to RF adapter to receive
RF signals from the IR to RF adapter, and to transmit the RF signals to a
network.

23. (Original) The system of claim 22, wherein the RF data system comprises a
Bluetooth system.